

**IN THE CLAIMS**

1. (currently amended) A transmission apparatus,  
~~characterized by comprising:~~

first production means for producing a first content of a video signal and/or an audio signal;

second production means for producing a second content,  
corresponding to the first content, the second content including  
~~a and formed with~~ script for outputting a graphical user  
interface, and the script includes~~ing~~ a description,~~as the~~  
~~script,~~ for causing a reception apparatus to execute:

a process for producing use history information  
including a predetermined content in accordance with a use  
~~result of use by a user related to the use by a user of the~~  
first content in ~~of the reception apparatus related to the~~  
~~first content,~~ and

a process for changing the graphical user interface  
based on the use history information so as to change a  
service to be provided with an~~the~~ operation to a user  
interface screen picture,~~on the basis of the use history~~  
~~information;~~ and

sending means for providing, as a broadcast, a transmission  
output of the second content ~~produced by the second producing~~  
means in combination~~together~~ with the first content ~~produced by~~  
~~the first production means.~~

2. (currently amended) The transmission apparatus according to  
Claim 1, ~~characterized in that:~~ wherein the first content is  
compressed and coded, and transmitted.

3. (currently amended) The transmission apparatus according to  
Claim 1, ~~characterized in that:~~ wherein the second content is  
transmitted as data broadcast.

4. (currently amended) A reception apparatus, ~~characterized by~~ comprising:

reception means ~~capable of~~ for receiving a first content ~~of~~ including a video signal and/or an audio signal transmitted as a broadcast and a second content, corresponding to the first content, the second content including a ~~and formed with~~ script for outputting a graphical user interface, and the script including a description, ~~as the script,~~ for causing the reception apparatus to execute:

a process for producing use history information including a predetermined content in accordance with a use result of use by a user related to the use by a user of the first content in the reception apparatus, and

a process for changing the graphical user interface based on the use history information so as to change a service to be provided with an ~~the~~ operation to a user interface screen picture, ~~on the basis of the use history information;~~ and

user interface forming means for forming a graphical user interface to be outputted together with a picture as the first content in accordance with the script ~~of the second content received by the reception means,~~ for producing and storing the ~~above-mentioned use history information~~ in accordance with the use result ~~of the reception apparatus by the user,~~ and for executing, in accordance with a ~~description of the script,~~ a process for changing the graphical user interface based on the use history information so as to change the service to be provided with the operation to the user interface screen picture ~~on the basis of the use history information.~~

5. (currently amended) The reception apparatus according to Claim 4, ~~characterized in that~~ wherein the first content is compressed and coded, and transmitted.

6. (currently amended) The reception apparatus according to Claim 4, ~~characterized in that:~~wherein the second content is transmitted as data broadcast.

7. (currently amended) The reception apparatus according to Claim 4, ~~characterized in that:~~wherein the user is allowed to perform ~~various types of operations~~ to the user interface picture.

8. (currently amended) The reception apparatus according to Claim 4, ~~characterized in that:~~wherein  
a mark operation is performed on a ~~preferred one while the use of the~~ selected one of the first content; and  
the graphical user interface changes ~~(a display of GUI screen changes)~~ in response to the mark operation.

9. (currently amended) The reception apparatus according to Claim 4, ~~characterized in that:~~wherein the graphical user interface changes ~~(a display of GUI screen changes)~~ in accordance with a viewing history of the first content.

10. (currently amended) A transmission apparatus, ~~characterized by comprising:~~

first production means for producing a first content of a video signal and/or the audio signal;

second production means for producing a second content, ~~corresponding to the first content,~~ the second content including a ~~and formed with script for~~ outputting a graphical user interface, and the script including a description for causing the reception apparatus to execute, ~~as the script,~~ a process for changing a picture content in the graphical user interface

in accordance with athe change in the content of the first content; and

sending means for providing, as a broadcast, a transmission output of the second content ~~produced by the second producing means together~~ combined with the first content ~~produced by the first production means~~.

11. (currently amended) A reception apparatus, ~~characterized by~~ comprising:

reception means ~~capable of~~ for receiving a first content including a video signal and/or an audio signal transmitted as a broadcast, and a second content, corresponding to the first content, the second content including a ~~and formed with~~ script for outputting a graphical user interface, and the script including a description for causing the reception apparatus to execute, ~~as script~~, a process for changing a picture content in the graphical user interface in accordance with athe change in the content of the first content; and

interface forming means for forming thea graphical user interface so as to change the picture content in accordance with thea change in ~~the content of the first content~~ in accordance with ~~a description of the~~ script, and for forming the user interface picture to be outputted together with a picture as the first content in accordance with the script ~~of the second contents received by the reception means~~.

12. (currently amended) A transmission apparatus, ~~characterized by~~ comprising:

first production means for producing a first content of a video signal and/or an audio signal;

second production means for producing a second content, corresponding to the first content, the second content including ~~a and formed with~~ script for outputting a graphical user

~~interface,~~ and the script including a description for causing ~~the~~ a reception apparatus to execute, ~~as script,~~:

a process for producing use history information including a predetermined content in accordance with ~~a~~ the use result by a user of the first content in the reception apparatus ~~related to the first content;~~ and

a process for ~~making a change in the~~ changing a picture content in the graphical user interface based on ~~the basis of the~~ use history information; and

sending means for providing, as a broadcast, a transmission output of the second content ~~produced by the second producing means together~~ combined with the first content ~~produced by the first production means.~~

13. (currently amended) A reception apparatus ~~characterized by~~ comprising:

reception means ~~capable of~~ for receiving ~~a~~ the second content for outputting a graphical user interface, the second content including a script having a description for causing the reception apparatus to execute:

a process for producing a first content of a video signal and/or an audio signal transmitted as a broadcast and use history information of a predetermined content ~~as script~~ in accordance with the use result related to the use by a user of the first content in ~~of the~~ reception apparatus ~~regarding the first content by the user,~~ ~~corresponding to the first content, formed with script for outputting a graphical user interface and~~

a process for ~~obtaining a change of the~~ changing a picture content on the graphical user interface based on ~~the basis of the~~ use history information; and interface forming means ~~capable of~~ for

forming a graphical user interface to be outputted with a picture as a first content in accordance with the script of a second content received by receiving means and, in accordance with the description of script,

for producing and storing use history information according to the use result of the reception apparatus by thea user, and

for forming the graphical user interface to change the picture content based on the basis of the stored use history information.

14. (new) A transmission apparatus, comprising:

first content producer operable to produce a first content of a video signal and/or an audio signal;

second content producer operable to produce a second content corresponding to the first content, the second content including a script for outputting a graphical user interface, and the script includes a description for causing a reception apparatus to execute:

a process for producing use history information including a predetermined content in accordance with a use result related to the use by a user of the first content in the reception apparatus, and

a process for changing the graphical user interface based on the use history information so as to change a service to be provided with an operation to a user interface screen picture; and

transmitter operable to provide, as a broadcast, a transmission output of the second content in combination with the first content.

15. (new) A reception apparatus, comprising:

receiver operable to receive a first content including a video signal and/or an audio signal transmitted as a broadcast and a second content corresponding to the first content, the second content including a script for outputting a graphical user interface, and the script including a description for causing the reception apparatus to execute:

- a process for producing use history information including a predetermined content in accordance with a use result related to the use by a user of the first content in the reception apparatus, and

- a process for changing the graphical user interface based on the use history information so as to change a service to be provided with an operation to a user interface screen picture; and

user interface forming device operable to form a graphical user interface to be output together with a picture as the first content in accordance with the script, to produce and store the use history information, and to execute, in accordance with the script, a process for changing the graphical user interface based on the use history information so as to change the service to be provided with the operation to the user interface screen picture.

16. (new) A transmission apparatus, comprising:

- first content producer operable to produce a first content of a video signal and/or the audio signal;

- second content producer operable to produce a second content corresponding to the first content, the second content including a script for outputting a graphical user interface, and the script including a description for causing a reception apparatus to execute a process for changing a picture content in the graphical user interface in accordance with a change in the content of the first content; and

transmitter operable to provide, as a broadcast, a transmission output of the second content combined with the first content.

17. (new) A reception apparatus, comprising:

receiver operable to receive a first content including a video signal and/or an audio signal transmitted as a broadcast and a second content corresponding to the first content, the second content including a script for outputting a graphical user interface, and the script including a description for causing the reception apparatus to execute a process for changing a picture content in the graphical user interface in accordance with a change in the content of the first content; and

interface forming device operable to form the graphical user interface so as to change the picture content in accordance with the change in the first content in accordance with the script, and to form the user interface picture to be output together with a picture as the first content in accordance with the script.

18. (new) A transmission apparatus, comprising:

first content producer operable to produce a first content of a video signal and/or an audio signal;

second content producer operable to produce a second content corresponding to the first content, the second content including a script for outputting a graphical user interface and the script including a description for causing a reception apparatus to execute:

a process for producing use history information including a predetermined content in accordance with a use result by a user of first content in the reception apparatus; and



a process for changing a picture content in the graphical user interface based on the use history information; and

transmission device operable to provide, as a broadcast, a transmission output of the second content combined with the first content.

19. (new) A reception apparatus comprising:

receiver operable to receive a second content for outputting a graphical user interface, the second content including a script having a description for causing the reception apparatus to execute:

a process for producing a first content of a video signal and/or an audio signal transmitted as a broadcast and use history information of a predetermined content in accordance with the use result related to the use by a user of the first content in the reception apparatus and

a process for changing a picture content on the graphical user interface based on the use history information; and  
interface forming device operable to

form a graphical user interface to be output with a picture as a first content in accordance with the script,

to produce and store use history information according to the use result, and

to form the graphical user interface to change the picture content based on the stored use history information.